

Note:

- By major crash, we are referring to a crash with at least 1 confirmed injury or death. By minor crash, we are referring to crashes with no confirmed injuries or deaths.
- The questions have evolved. The past questions:
 1. What time of day do most accidents occur?
 2. Where do most accidents occur (borough, neighborhood, etc.)?
 3. Is there any association between weather and accident rates?
 4. Do certain vehicle types tend to have the same contributing factors and/or are involved in more accidents?
 5. Are certain contributing factors correlated with different types of accidents (major accident/minor accident)?

Updated Questions:

1. What is the relationship between holiday events and crashes?
 - a. Which holiday had the most number of accidents in NYC?
 - b. Is there an association between the number of holidays in a month and the total number of accidents in the month?
2. What is the relationship between daily precipitation and crashes?
 - a. Is there an association between daily precipitation and the proportion of major crashes?
 - b. Is there an association between daily precipitation and average crashes per day?
 - i. The daily precipitation may vary by location of the reporting weather station. That is, it might rain a lot at only a few locations so there may be less weather stations experiencing a certain amount of precipitation. Thus, we need to take a look at the daily precipitation and the average crashes per day per weather station.
3. What is the relationship between daily average wind speed and crashes?
 - a. Is there an association between daily average wind speed and the proportion of major crashes?
 - b. Is there an association between daily average wind speed and average crashes per day?
 - i. The daily average wind speed may vary by location of the reporting weather station. That is, it might be extremely windy at only a few locations so there may be less weather stations experiencing a certain wind speed. Hence, we need to take a look at the daily average wind speed and the average crashes per day per weather station.
4. What is the relationship between daily average temperature and crashes?
 - a. Is there an association between daily average temperature and the proportion of major crashes?
 - b. Is there an association between daily average temperature and average crashes per day?
 - i. The daily average temperature may vary by location of the reporting weather station. That is, it might be extremely cold at only a few locations so there may be less weather stations experiencing a certain temperature. Hence, we need to take a look at the daily average temperature and the average crashes per day per weather station.
5. What are the most common contributing factors/vehicles involved in car accidents?